

RESEARCH & EXTRAMURAL STUDIES DIVISION

DISCLOSURES UNDER CONSIDERATION

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3 September 1980

Code 1 - Offensive/Urgent
Code 2 - Defensive/Urgent
Code 3 - Offensive/Normal
Code 4 - Defensive/Normal

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894 USE OF PIPERAZINES AS FLAVORANTS AND/OR COOLING COMPOUNDS

W. Edwards and Y. Houminer
R&D/Chemical Research/Sanders/Osdene

Tobacco flavorant and/or cooling compounds selected from 1,4-disubstituted pyrazines and alkylpiperazines wherein the 1,4-substituents are acyl, sulfonyl and carbamido are disclosed.

Hutcheson
CODE 4

DISCLOSURE UNDER CONSIDERATION

- 5-7-79 Disclosure received.
11-20-79 Experimental and synthesis work completed; analytical smoking data will be obtained in the near future.
3-14-80 Sanders indicated that the work was near completion. A draft should be ready shortly.
9-10-80 Houminer indicated that they will organize data and submit for application.

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897 SYNTHESIZING PYROLYTIC PRECURSORS TO PRODUCE ALDEHYDIC-TYPE FLAVORANTS

M. Bourlas and H. Grubbs
R&D/Chemical Research/Sanders/Osdene
Analytical Research/Bourlas/Lowitz/Farone

Polymeric flavorants release compounds having controlled thermal decomposition properties producing aldehydic-type flavorants on combustion are disclosed. Prior to smoking, the compounds are non-volatile and non-migratory.

Hutcheson
CODE 2

- 5-7-79 Disclosure received--lacks detail.
9-4-79 Preliminary synthesis of monomers underway.
1-25-80 Examples prepared for subjective evaluation.
3-80 Inventors hope to complete this project by the end of August.
6-30-80 Project being actively pursued by inventor Grubbs and assistant. Should be completed by end of summer.
9-10-80 Monomer synthesized and attempts to polymerize underway according to Grubbs.

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928 PREPARATION OF N-TERT BUTYL-p-MENTHANE-3-CARBOXAMIDE
(WS-14)

R. Comes and S. Haut
R&D/Chemical Research/Bourlas/Sanders/Osdene

A one step synthesis from menthyl chloride leading to a pure WS-14 in a shorter period of time with a comparable yield.

Hutcheson

10-22-79 Disclosure received - inventor notified.
10-31-79 Assigned to Hutcheson.
11-9-79 Search conducted by TIF in 1978 sent to inventors for evaluation.
1-25-80 Awaiting information from possible inventor Van Auken.
3-17-80 Memo to inventors asking for any new data; 4-80 inventors indicated that data will be ready soon.
6-30-80 Inventors continue to persue this area of work; no new data available at this time.
9-9-80 Haut has indicated that they are makig some progress in controlling the synthesis to the extent that the desired isomer is obtained in improved yield.

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932 RESOLUTION OF RACEMIC MENTHOL

**S. Haut
R&D/Chemical Research/Sanders/Osdene**

INACTIVE Inskeep
10-31-79 Disclosure received - inventor notified.
1-21-80 Assigned to Inskeep.
3-31-80 Sanders indicates low priority.
7-17-80 Inactivated until further notice.

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942 COMPOUND TO ADD TO TOBACCO TO PRODUCE NICOTINE UPON SMOKING

W. Chan
R&D/Chemical Research/Sanders/Osdene

Related to 703.

Inskeep
11-21-79 Disclosure received - inventor notified.
12-79 Assigned to Inskeep.
1-2-80 Copy of disclosure sent to Depaoli re PM 703.
3-25-80 Latest information, examples will be forthcoming.

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944 PREPARATION OF MIXED MALONATE ESTERS

E. Southwick
R&D/Chemical Research/Sanders/Osdene

Malonate esters useful as monomers for the preparation of flavor release agents.

Inskeep
12-12-79 Disclosure received--inventor notified.
1-21-80 Assigned to Inskeep.
3-25-80 Experimental work needed.
9-10-80 Polymer has been made, pyrolytic analysis in progress.

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